



2-Substituted-5-trifluoromethyl-1,3,4-thiadiazoles

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Abstract

2-Substituted-5-trifluoromethyl-1,3,4-thiadiazoles of the formula  (I) in which R is substituted alkyl, phenyl monosubstituted in the o- or m- position, polysubstituted phenyl, substituted phenylalkyl, phenylalkenyl, substituted phenylalkenyl, an optionally substituted 5-membered or 6-membered heterocyclic radical with 1 to 4 hetero-atoms selected from N and S atoms, optionally substituted benzimidazolyl or

benzthiazolyl, optionally substituted naphthyl, quinolyl, cyano or one of the groups  wherein R1 and R2 conjointly are a trimethylene, tetramethylene or pentamethylene group, X is oxygen or sulfur, R' and R" each independently is alkyl or, together with the nitrogen atom and optionally further hetero-atoms selected from O and N atoms, form an optionally substituted 6-membered or 7-membered ring, and N IS 0, 1 OR 2, WHICH POSSESS FUNGICIDAL, BACTERICIDAL, ARTHROPODICAL AND INSECTICIDAL PROPERTIES.

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